MONTHLY WEATHER MAP

METEOROLOGICAL SERVICE, DOMINION OF CANADA

APRIL 1931

TEMPERATURE

The cold front passed south along Hudson Bay or to the east of the Bay during the greater part of the month. From the 18th to the 27th, however, a cold front of considerable intensity passed down the Mackenzie basin and across the Churchill and Nelson rivers.

Temperatures averaged three to six degrees higher than the normal April mean temperature over a large part of the West, over southern Quebec, the Atlantic Provinces and the Dominion of Newfoundland. In Ontario temperatures averaged below normal in far northern districts and one to three degrees over most of the remainder. In the lower Mackenzie valley and in Quebec east of Hudson Bay there were deficiencies of one to four degrees.

PRECIPITATION

The month was drier than usual over the greater part of the Dominion.

The deficiency was most marked in Alberta, Saskatchewan and Manitoba where the general rainfall was only about 25 per cent. of the normal amount. In many parts of the interior of British Columbia the rainfall was also very light.

East of Lake Superior to the Atlantic coast the deficiency was less pronounced and some sections had heavy rainfall.

BRITISH COLUMBIA

The month was four degrees warmer than usual on the south coast and about two degrees warmer in the interior. On Vancouver Island and the lower mainland April was showery during the first half while the second half was very dry with strong northerly winds. Rainfall totalled nearly the normal amount or higher in the southwest and well above normal on the northern coast. In the interior there were moderate to large deficiencies.

Frosts in the interior and high cold winds in the southwest have been unfavorable to fruit crops while the light rainfall of the interior has reduced the expectation of storage of water for irrigation.

ALBERTA, SASKATCHEWAN and MANITOBA

The first part of the month was very mild and warm and work began early on the land. About the 18th cold weather returned and lasted till near the close of the month. Very little rain fell except in parts of southern Alberta and part of southern Manitoba. The soil is reported very dry in most districts although in Manitoba considerable areas report ground fairly moist. Rainfall for the month varied from only a trace in parts of southeastern Saskatchewan to over an inch in sections of southern Alberta and southern Saskatchewan. The general deficiency for the month was about 75 per cent. of the normal amount.

ONTARIO

The first two weeks and part of the third week were very mild and dry. Sowing and planting made exceptionally early progress. The weather then turned cold with rain and snow and hard frosts. No progress in cultivation could be made during the cold period and some fears are expressed in eastern Ontario as to the effects of the hard frosts on winter grains and clovers which had made rapid growth during the early warmth.

Rainfall was considerably below the normal amount from the Lake of the Woods east to the eastern shore of Lake Superior. Thence east and south some sections had considerable excess and others moderate deficiency. Generally over Ontario there was a deficiency of less than 10 per cent.

QUEBEC

The season began early with plenty of moisture in the ground. Grasses and clovers had wintered well. Ice cleared from lakes and rivers from April 13th to 15th in the south and about the 28th in the region of Lake St. John.

Sowing of spring crops began locally in the southwest about the 15th of April while general progress was reported from the 21st to the 23rd as far east as Cap Rouge. During the last week of April cold, unsettled weather halted growth and delayed cultivation.

Along the St. Lawrence rainfall was about 10 per cent. in excess of the normal amount, but considerable areas north and south of the river reported fairly large deficiencies. The general average for the province was about 20 per cent. in defect.

ATLANTIC PROVINCES

The month was generally mild in all provinces although a cool, rainy period came during the latter half of the month. Temperatures averaged three to seven degrees above normal in New Brunswick and Prince Edward Island and two to four degrees above in Nova Scotia.

Precipitation which was partly rain and partly snow, was 90 to 100 per cent. in excess of normal in northwestern Nova Scotia and generally normal or 10 per cent. in excess elsewhere in that province. In New Brunswick and Prince Edward Island for the most part there was a deficiency of 10 to 60 per cent. although average conditions prevailed in central-northern New Brunswick.

HUDSON STRAIT

Temperatures averaged normal at Nottingham Island, two degrees below at Hope's Advance and one degree above normal at Resolution Island. On the west coast of Hudson Bay temperatures were normal at Churchill and two degrees above at Chesterfield.

A. J. CONNOR.

SPECIAL REPORTS

NOTE—Column H is Highest Temperature; Column L is Lowest Temperature; Column P is Precipitation in inches; Column I denotes total of bright sunshine in hours during the month.

BRITISH COLUMBIA

STATION	H	L	P	I	STATION	H	L	P	I	STATION	H	L	P	I
Victoria	75°	37°	1.1	235	Vancouver	75°	33°	4.6	215	Cranbrook	78°	17°	0.9	
Sooke	74°	30°	2.7		New Westminster	77°	34°	4.9		Kaslo	75°	27°	1.1	
Duncan	82°	28°	1.5		Agassiz	81°	33°	5.1	155	Invermere	76°	20°	0.2	211
Goldstream			4.0		White Rock	78°	33°	2.6		Glacier	62°	15°	2.0	
Nanaimo	77°	32°	1.2	212	Salmon Arm	81°	26°	0.9	157	Revelstoke	77°	20°	1.5	
Chemainus			1.8		Vernon			1.8		Kamloops	82°	29°	0.2	227
Courtenay			1.7		Rossland	76°	25°	0.9		Prince George	78°	17°	0.2	

ALBERTA, SASKATCHEWAN AND MANITOBA

STATION	H	L	P	I	STATION	H	L	P	I
Beaver Lodge	77°	17°	0.1	247	Treesbank	84°	8°	0.3	
Edmonton	80°	13°	0.4	242	Birtle	82°	7°	0.1	
Medicine Hat	78°	13°	0.1	191	Treherne	84°	5°	1.0	
Scott	74°	16°	0.3	238	Morris	80°	12°		
Battleford	78°	15°	0.2		Morden	83°	9°	0.5	235
Prince Albert	77°	9°	0.3		Ninette	50°	-13°	1.1	
Swift Current	88°	9°	0.2	218	Great Falls	70°	7°		
Moose Jaw	80°	12°	T	215	Oak Bank	75°	12°	0.1	
Qu'Appelle	80°	8°	T	240	Pinawa	69°	7°	0.6	
Le Pas	73°	-7°	0.2		Russell	78°	5°		
Minnedosa	81°	6°	0.1		Sprague	72°	8°		
Winnipeg	75°	11°	0.3	229	Pierson	82°	8°	0.2	
Dauphin	83°	3°	0.1		Portage la Prairie	77°	14°	0.5	
Brandon	82°	11°	0.3	207					

ONTARIO

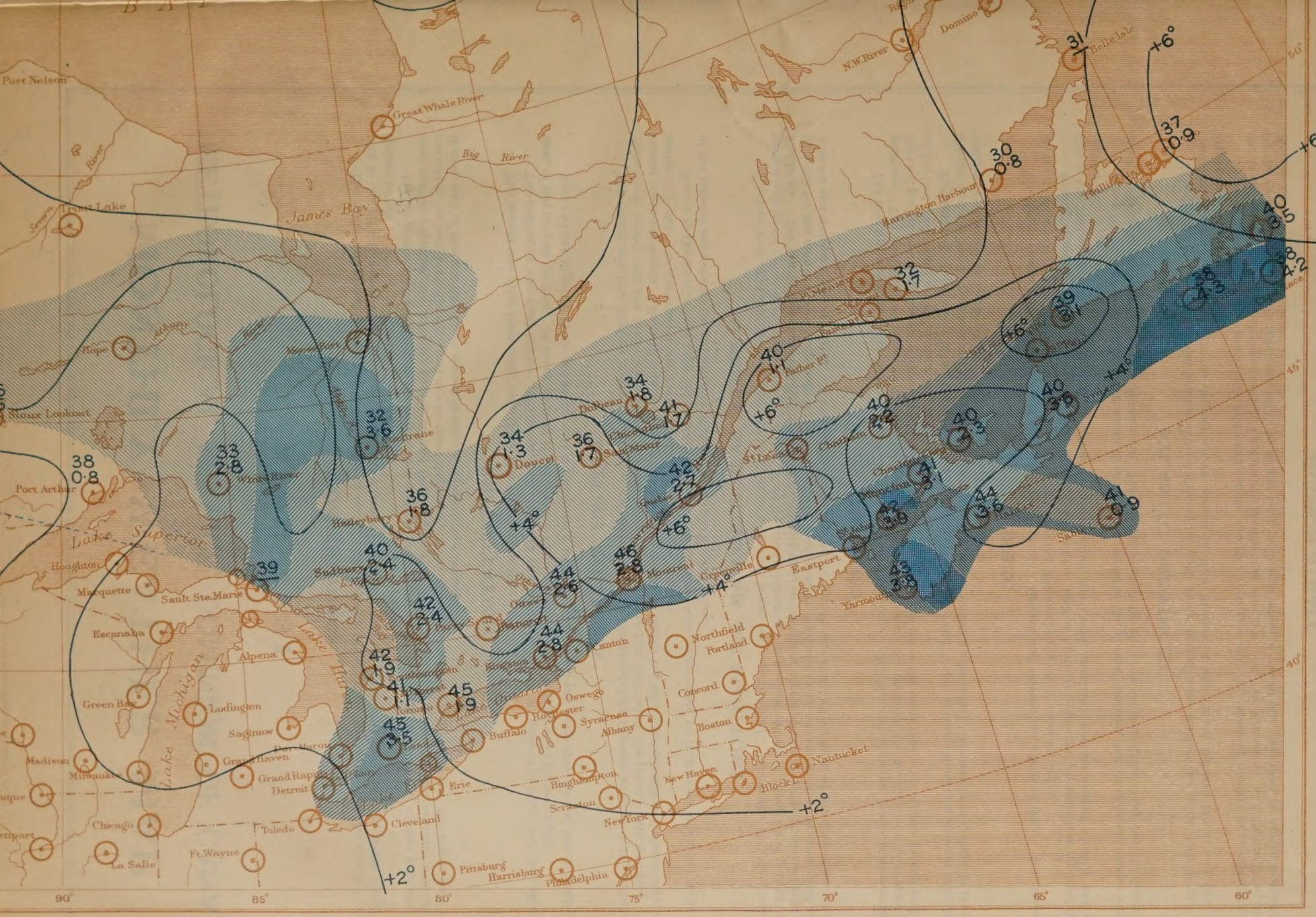
Atikokan	74°	7°	0.7		Walkerton	78°	25°	2.7	
Mine Centre	74°	9°	1.2		Mount Forest	75°	18°	1.1	
Ignace	72°	10°	1.7		Brucefield	76°	24°	2.8	
Kenora	71°	12°	0.4		Lucknow	72°	20°	1.7	
Sioux Lookout	66°	10°	1.5		Southampton	72°	22°	1.9	
Port Arthur	65°	18°	0.8		Stratford	75°	25°	3.5	
Quorn	74°	4°	0.7		London	78°	25°	3.5	
Schreiber	59°	13°	1.7		Woodstock	75°	26°	2.3	194
Blind River	62°	18°	1.4		Paris	78°	24°	3.3	
Biscotasing	66°	-4°	2.4		Alton	80°	20°	3.1	
Chapleau	69°	-5°	3.5		Harrow	75°	23°	1.8	207
Ruel	68°	11°	1.2		Simcoe	79°	24°	2.9	
Cochrane	68°	4°	3.6		Toronto	78°	28°	1.9	198
Haileybury	71°	4°	1.8		Beeton	80°	22°	2.0	
Heaslip	72°	-2°	2.2		Bloomfield	76°	16°	2.8	
Kapuskasing	63°	-4°	3.0	150	Queensboro'	71°	20°	2.0	
Algonquin Park	60°	9°	0.3		Peterboro'	77°	20°	1.9	
Madawaska	82°	7°	1.9		Kingston	72°	26°	2.8	201
Montreal River	78°	-4°	2.2		Brockville	83°	24°	2.8	
North Bay	76°	16°	2.5		Morrisburg	83°	22°	3.2	
Crystal Falls	75°	12°	4.4		Ottawa	82°	24°	2.3	
Providence Bay	64°	17°	1.3		Ottawa (Exp.Farm)	81°	23°	2.6	209
Parry Sound	75°	23°	2.4		Renfrew	78°	20°	3.0	
Scotia Junction	74°	20°	2.1		Pembroke	82°	21°	1.9	
Walker's Point	74°	17°	2.2	188	Clontarf	78°	13°	1.3	
Beatrice	76°	18°	1.0						

QUEBEC

STATION	H	L	P	I
Cedars	78°	25°	2.3	
Macdonald College	80°	25°	2.3	
Montréal	79°	26°	2.8	190
Farnham	80°	23°	2.3	194
Brome	80°	16°	3.5	
Nicolet	80°	24°	2.6	
Sorel	83°	22°	2.2	
Lennoxville	82°	18°	2.7	199
Sherbrooke	81°	22°	1.8	212
Drummondville	84°	22°	1.8	
Beauceville	80°	18°	1.8	
Lake Mégantic	75°	15°	1.9	
Cap Rouge	78°	19°	3.5	207
Québec	74°	23°	2.7	197
St. Joachim	77°	21°	2.7	
Armagh	82°	18°	1.1	
Seven Falls	72°	15°	1.5	
Ste. Anne de la Pocatiére	75°	12°	1.6	205
La Malbaie	67°	19°	1.8	
Chicoutimi	79°	16°	1.7	
Roberval	84°	14°	2.5	
Albanel	77°	10°	1.6	200
Manouan	78°	4°	1.7	
Lake Kempt	70°	−4°	2.0	
La Tuque	80°	11°	2.0	
Chute aux Galets	75°	1°	2.7	
Chute à Murdock	85°	10°	1.6	
Kenogami	85°	9°	2.1	
La Loutre Rapids	76°	−2°	1.4	
Joliette	75°	21°	2.6	
Huberdeau	78°	17°	2.7	
Mont Laurier	80°	15°	0.8	
St. Lin des Laurentides	67°	20°	2.0	
Maniwaki	80°	16°	2.0	
St. Gabriel de Brandon	72°	19°	2.7	
Abitibi	63°	0°	1.6	
La Ferme	65°	−5°	1.0	143
Ville Marie	72°	6°	1.6	
Sanmaur	80°	5°	1.7	

ATLANTIC PROVINCES

Saint John	65°	26°	3.9	163
Aroostook	76°	19°	2.4	
Bathurst	64°	11°	1.6	
Chatham	67°	20°	2.2	
Edmundston	71°	19°	2.2	
Fredericton	73°	24°	2.8	179
Fredericton (Experimental Farm)	74°	24°	2.9	181
Gagetown	70°	24°	2.9	
Grand Falls	74°	20°	1.9	
Harvey	74°	21°	3.1	
Moncton	63°	22°	3.1	
Musquash	65°	19°	4.0	
McAdam	75°	22°	3.3	
Nepisiquit Falls	70°	18°	1.8	
Rexton	60°	20°	2.7	
Sussex	71°	22°	4.1	
Woodstock	77°	17°	2.0	
Digby	65°	24°	4.0	
Kentville	65°	23°	3.8	161
Liverpool	63°	19°	4.7	
Nappan	62°	22°	2.9	159
Sydney	59°	22°	3.6	
Upper Stewiacke	64°	10°	2.2	
Wolfville	65°	22°	3.6	
Yarmouth	63°	29°	3.8	
Charlottetown	58°	26°	1.9	
Charlottetown (Experimental Farm)	59°	25°	2.3	170


Port Nelson
Great Whale River
Big River
James Bay
Severn
Trout Lake
Albany
Hope
Moose Factory
Missinaibi
Sioux Lookout
Port Arthur
Lake Superior
Houghton
Marquette
Sault Ste. Marie
Escanaba
Alpena
Lake Michigan
Green Bay
Ludington
Saginaw
Port Huron
Madison
Milwaukee
Grand Haven
Grand Rapids
Detroit
Chicago
Toledo
Cleveland
Erie
La Salle
Ft. Wayne
Buffalo
Pittsburg
Harrisburg
Philadelphia
Sudbury
Parry Sound
Toronto
Hamilton
Oswego
Rochester
Syracuse
Albany
Scranton
Binghampton
New York
Northfield
Portland
Concord
Boston
Nantucket
New Haven
Block I.
Eastport
Yarmouth
Greenville
Montreal
St. Lawrence
Ottawa
Pembroke
Bonaventure
Dolbeau
Mistassini
Nemiscau
Rupert
Harrington Harbour
Belle Isle
Domino
N.W. River
Phillips
+6°
+4°
+2°
90°
85°
80°
75°
70°
65°
60°
50°
45°
40°

CE, DOMINION OF CANADA.
R MAP
IL, 1931
from normal mean temperature; also total precipitation
month.
Greenland
Reports
not received
during April
Ellesmere Island
Pond's Inlet
Godhaven
Angmagsalik
Godthaab
Julianehaab
Pangnirtung
Nottingham I.
Cape Wolstenholme
Wakeham
Hopes Advance
Resolution
Fort Burwell
Fort Chimo
Nain
HUDSON'S
90°
85°
80°
75°
70°
65°
60°
55°
50°
45°
40°
35°
60°
55°
−2°
+2°

REFERENCES.

The upper Figures give the mean Temperature.

The lower Figures give the precipitation in inches.

The Black lines shew the difference from the normal mean Temperature.

The shading shews approximately the precipitation of the month.

- Less than 1 inch
- Less than 2 inches
- Less than 3 inches
- Less than 4 inches
- More than 4 inches

METEOROLOGICAL SERVI
WEATHE
Chart shewing the mean temperature and the difference
of the
-2°
-4°
-4°
-2°
+2°
+4°
+2°
+4°
22
0·1
25
0·2
26
0·3
30
0·3
38
0·3
44
0·4
19
0·2
26
0·6
30
0·1
4
0·5
Herschell I.
Fort Yukon
Eagle
Dawson
Yukon
River
Mayo
Good Hope
Norman
Great Bear Lake
Mackenzie River
Simpson
Liard
River
Great Slave Lake
Hay River
Fort Smith
Height of
Land
Peace
River
Athabaska L.
Chipewyan
Coppermine
Coppermine R.
Cambridge Bay
Aklavik
Mt Pheasant
Aklin
Stikine
Yukon
Chest
145°
140°
130°
125°
120°
115°
110°
105°
100°
95°
60°
55°

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